

SASMEE

SOUTH AUSTRALIAN SOCIETY OF MODEL
& EXPERIMENTAL ENGINEERS

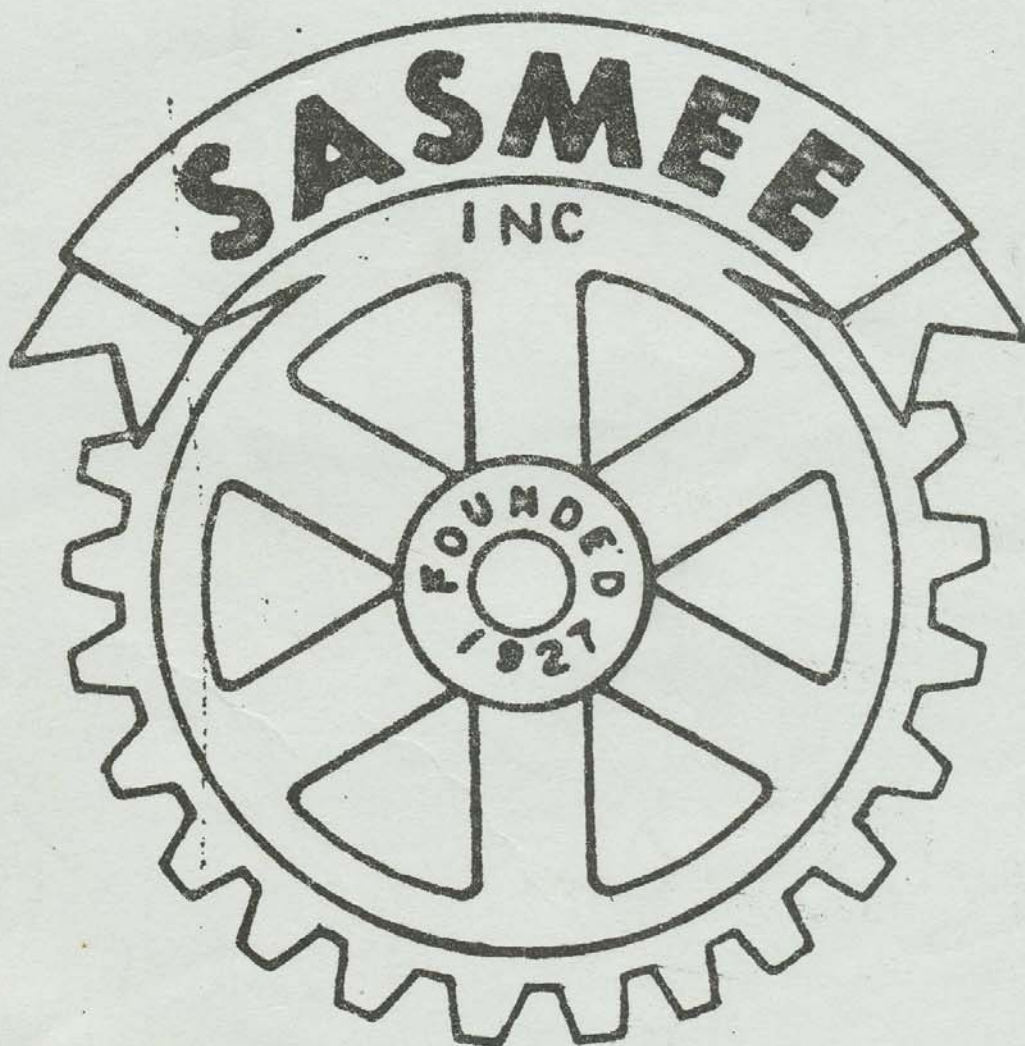
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BULLETIN

John Aug 73

THE OFFICIAL JOURNAL OF THE SOUTH AUSTRALIAN SOCIETY

OF MODEL AND EXPERIMENTAL ENGINEERING.



EDITORIAL

Vol. 14 No. 1

June-August, 1973

Once again Father Time has turned the wheel full circle and here we are heading into another year of our history. What the next twelve months holds for us none can tell, but it is rather pleasant to reflect that with all of our major jobs completed and mostly maintenance work to concern us, we will be able to devote a lot more of our leisure to driving our locos and sailing our ships, and steaming our traction engines.

Despite the fact that over the past several years and particularly the past twelve months work has occupied most of our spare time I think that you will agree that the results one now sees justify the efforts that have been put into the many projects. This is not to say that we can become complacent and allow neglect to creep in but it is fairly safe to say that an amnesty has been declared with any major operations for at least twelve months, thus allowing us to reap the full benefit of our labours. Members are therefore urged to make a greater use of our facilities than has been customary in the past.

The annual election of Officers provided a surprising number of changes, particularly among the General Committee. Three of the four retiring members preferred not to stand again. In their place we now have two of our younger members, Des Allen and Wayne Bradford, plus Denis Irving who has retired as Minute Secretary and John Welch. John is an experienced Committee man also Denis so with the introduction of young new blood we should have a good team to manage our affairs.

EDITORIAL (cont.)

Paul Griscti was returned unopposed as President and Ian Clark and Bob Smythe the office of Vice Presidents. Other changes are David Price becomes Minute Secretary and John Davey Assistant Treasurer. Secretary and Treasurer are unchanged, but Horry Guignion takes over from Harry Pearce as Host. John Wakefield and John Welch fill the vacancy on the Boiler Safety Committee created by the resignation of Alec Bradley, Donald Osborne replaces Morrie Turner as Auditor and will partner John Wakefield. Other Offices remain as before. With such a well balanced team we can biew the future with confidence.

It is with great pleasure that I record the election to Honorary Life Membership of Fred Hercus and Horrie Gignion. Both these members have been connected with S.A.S.M.E.E. for many years and deserve the title placed on them. Fred, the founder of the Hercus Machine Tool bay, I have known for over half a century and have always had the greatest respect for him as an engineer. Over the years he has built some beautiful models, a pleasure to look at. Horrie, I must confess, I know very little of but I understand he has always been a pillar of strength to our Society. Our best wishes go to both men and long may they continue their association with S.A.S.M.E.E.

Over the Easter Period the Annual Live Steam Convention was held at the Park and attended by a large number of interstate modellers and their families. Further on I shall endeavour to give you a picture of it as seen by myself.

An innovation for the Bulletin is the inclusion of the Secretary's Annual Report. As it is fairly lengthy we may have to restrict the printing of other items in this quarters copy.

EDITORIAL (Cont.)

May I thank you for your confidence in me in re-electing me year after year as Secretary, which I enjoy doing, and to wish you one and all good steaming for the New Year.

Clary Burden,
Editor and Hon. Secretary
123 Allinga Ave.,
GLENUNGA. S.A. 5064

QUARTERLY AGENDA

General Meetings	2nd Tuesday each month at 8.00p.m.
June 12th	Horrie Guignon will speak on his early experiences.
July 10th	Paul Griscti will describe non ferrous foundry practice.
August 14th	Annual Jumble Sale
Intermediate Meetings	"Informal" 4th Tuesday each month at 8.00 p.m. June 26th, July 24th, August 28th
Committee Meetings	1st Tuesday each month at 8.00p.m. June 5th, July 3rd, August 7th
Working Bees	1st Saturday each month at 2.00p.m June 2nd, July 7th, August 4th
Public Field Days	3rd Saturday each month at 2.00p.m. June 16th, July 21st, August 18th

CANTEEN ROSTER

Please check with roster for your attendance on Canteen.

Supervisors

June : A. Ide, J. James

July : D. Schluter, J. Bamford

August : J. Moorfield, J. Moll

Important Notice

If unable to attend as per roster please phone Secretary,
phone 79 5292 so that a reserve can be notified in time.

Please remember to bring the milk.

SECURITY ROSTER

Roster for locking up all buildings and gates

June 10th	D. Allen	August 11th	B. Brown
23rd	W. Bradford	18th	D. Allen
30th	I. Clark	25th	W. Bradford
July 7th	D. Irving	Sept. 1st	I. Clark
14th	P. Griscti	8th	D. Irving
21st	J. Welch	15th	P. Griscti
28th	D. Price	22nd	J. Welch
Aug. 4th	R. Smythe	29th	D. Price

5

S.A.S.M.E.E. NEWS

With the retirement as Commissioner of S.A. Railways and a lengthy trip abroad, Mr. Fitch suggested that the Office of Patron should be filled by another member of the Railway Staff. Mr. Hockley the New Commissioner, was approached and we are pleased to record that he is now our Patron. We trust that when his duties permit, that he will pay SASMEE PARK a visit, either on a Field Day or on some other suitable occasion.

We all hope that both Fred Morcom and Jim Thurmer will be quickly restored to health after undergoing surgery, earlier this year. Also Harry Pearce who has also has his share of trouble.

Our Sympathy is extended to Mike Carmody and his family owing to the loss of his father.

A partly machined set of Stuart Turner castings of a Triple Expansion Marine Engine has been donated to the Society and is to be completed by one of our members. It was started by the late Joe Vardon and is donated by his family.

We now have six members on our Boiler Safety Committee so there should be no problem of having a boiler tested. However to make sure of service, an appointment should be made. You are also further reminded that the onus is on you for having the periodical testings carried out by one of the appointed testers.

Several new locos have made their appearance lately. John Wakefield's "Caribou", Harry Pearce's Queensland Sugar Cane tank, and Keith Bradford's N.S.W. 36 class. All bear the hallmark of first class workmanship and should provide great attraction on Field Days.

NEWS (cont.)

The beefit day held on March 31st to aid the Diabetic Assoc. was highly successful. A very large crowd attended. The weather was perfect, and the drivers and various helpers were kept flat out handling the passengers. An extremely useful sum of money was raised and this is no doubt will be put to a very good use.

The Annual Election of Officers has been dealt with in the Editorial but a few words about the Election will not come amiss. Horrie Guignon was temporarily elected chairman and in his usual breezy manner set the ball rolling by calling for nominations for president with no takers. Paul was then declared President for another twelve months. The remaining Offices were dealt with an almost similar manner, varied every now and again with one of Horrie's wise-cracks. As you will have noticed quite a considerable number of changes took place in the various positions. Several new faces now appear on the Committee and we now have a new Minute Secretary and Host. We all look forward to a happy association in conducting the Society's affairs.

MEMBERS ARE ADVISED THAT SUBSCRIPTIONS ARE NOW DUE.

As has been often mentioned, articles for the Bulletin are always very welcome and if you have something of interest worth printing please contact your Secretary.

I have just received a picture card of my favorite loco No. 1 Patrick Stirling Single Wheelor and preserved at the Railway Museum, York. It is from our wandering friend Bob Smith who is touring England, Scotland and Wales and then over to the Continent. He sends his regards to all.

It was pleasant to meet Bob Moss over for the Convention and also attending our May Meeting. Bob is from W.A. and occupies a prominent position in the Castledare model railway system.

Newsletters have been received from various Societys and are displayed on the notice board.

Welcome to new members

Peter Miconko	Interested in Steam Locos.
Jon Gnegg	Interested in Fire Arms
Granville Flavell	Interested in Locos
John Waldram (Broken Hill)	Interested in Locos
Maxwell Blackwell (Br. Hill)	Interested in Locos
Peter Lindblom	Interested in Locos
Leslie Hunt	Interested in Steam
Alan Bungey	Interested in Locos

A warm welcome is extended to you and we trust that you will join with us in all of our activities both work and play. By so doing you will gain to the full all of the benefits your Society has to offer.

1973 17th Annual Live Steam Convention at Adelaide

It was unfortunate that for the second year in succession rain, although it failed to do so, attempted to dampen our enthusiasm during the opening days of this years Convention. The weather on Good Friday and Saturday left a lot to be desired, by Sunday and Monday the sun shone and all was well. According to a list compiled by Morrie we had 48 visiting Locos and four boats of various types. With SASME's 10 locos it made a total of 58 locos handled by the turn table. There was also a show of work by seven SASME members, comprising a drill, 2 stationary engines, two locos and 3" Allchin traction engine. On the boat pond hydroplanes, a destroyer and other craft were seen in operation. The Steam Horse boiler was kept well stoked and stationary engines were under steam.

Despite an occasional shower running apparently never ceased until sheer weariness took its toll. After a day or so rain and oil on the track caused many an engine to slip badly and several attempts were made to clean the rails. Despite the trend towards building 5" gauge engines, much to my surprise according to the following list, engines of $3\frac{1}{2}$ " and $2\frac{1}{2}$ " gauge predominated.

Situated on the lawn adjacent to the station several tents were erected and nearby a Land Rover served as home for several days. With a number of Club Flags flying the whole scene presented one of a carnival nature. Under a large awning a number of visiting ladies sat and knitted and gossiped whilst the men folk indulged in more strenuous activities, namely sitting on a riding truck and feeding a hungry fire box. The canteen presented a literal hive of industry with a number of SASME ladies flat out preparing meals. On Saturday night too, a count revealed 252 meals served that evening. We are greatly indebted to our ladies for the wonderful help they gave over the entire period, for without a doubt their efforts contributed very largely to the smooth running of the day.

CONVENTION Cont.

The Boiler Safety Code meeting was held on Sunday morning and was attended by Delegates from each Club. Details will appear at a later date when the minutes are distributed to each Society.

Sunday afternoon was spent by a number of visitors at the Historical Railways Society at Mile End and then onto the Tramway Museum at St. Kilda. By this time the weather had greatly improved and every opportunity was taken from then on to make full use of the track. On Saturday evening for a brief few seconds we saw ourselves on television.

Films mostly dealing with railway topics were shown on several evenings.

All too soon the magical days slipped away and we were soon saying good-bye, have a safe trip home and hope to see you at Moorabbin next year. I suppose that one could go on writing forever on the various engines, their drivers and their performance, but how much better to attend these affairs and see with your own eyes. Let me close by saying that all Locomotives large and small were superb, that everybody present enjoyed themselves, and we look forward to the next Convention.

The 1977 Convention in Adelaide will be the 21st live Steam Convention and also the 50th year of the S.A. Society of Model and Experimental Engineers.

List of Models at the Seventeenth Annual Convention 1973

New South Wales

S.L.S.L.S.

John Logan

Maurice Haynes

Ces Gunning

John Hurst

Jim Ranford

Ray Lee

5" "NETTA" 0-8-0

3½" 38 CLASS 4-6-2

3½" "HUDSON" 4-6-4

5" "MOUNTAIN" 4-8-2

3½" "MAISIE" 4-4-2

5" 32 CLASS 4-6-0

Lake MacQuarie

Peter Smith

Colin Campbell

Stewart Campbell

Frank Ford

3½" "BRITANNIA" 4-6-2

3½" "ATLANTIC" 4-4-2

3½" "PACIFIC" Freelance

5" "ATLANTIC" 4-4-2

Illawarra

Barry Glover

5" 0-6-0 (CLUB)

Blue Mountains

John Green

(J. Hill)

5" MOUNTAIN 4-8-2

Western Districts

S.R. Humphries

W. Kirkland

R. Stevenson

Ivan Levanic

2½" "ATLANTIC" 4-4-2

2½" C. 38 CLASS Pacific

3½" "PAMELA" 4-6-0

5" "PRAIRIE"

Victoria

Moorabbin

John Clark

Stephan Gall

5" "PRAIRIE TANK"

5" VERTICAL BOILER
SHUNTER

Victoria cont.

A. MacCaskill
Colin Campbell
W. Newman
W. Newman
N. Allen
M. Mitchell
Stan McKeown
L.C. Jordan
L.F. Richards
N. Allen
L. Phillips
I. Davies
Roy Trotter (Geolong)
Jim Burnell
G. Shulz
G. Shulz
J. Campbell
J. Campbell
J. Campbell
M. Coleman

Springvale

John Charrington
Stan Connaughton
Max Hale
John Gadson
David Smith
Don Moriarty

Victoria M.S.L.S.

Cliff Kirby
Col Holl

Boats, Vic

Bill Newman
Bill Newman
Bill Newman
G. Campbell

5" "MAID OF KENT"
3 $\frac{1}{2}$ " "HEILAN LASSIE"
3 $\frac{1}{2}$ " "MAISIE"
5" TANK
3 $\frac{1}{2}$ " "BANTAM"
5" "BUTCH"
3 $\frac{1}{2}$ " "EVENING STAR"
5" TANK
3 $\frac{1}{2}$ " WALLY
3 $\frac{1}{2}$ " "HEILAN LASSIE"
3 $\frac{1}{2}$ " G.N.
3 $\frac{1}{2}$ " "ROB ROY"
3 $\frac{1}{2}$ " BRITANNIA
2 $\frac{1}{2}$ " 0-6-0 "SOUTHERN MAID"
2 $\frac{1}{2}$ " 2-8-2
3 $\frac{1}{2}$ " 4-4-0 (Schools)
3 $\frac{1}{2}$ " R. CLASS
3 $\frac{1}{2}$ " "JULIET"
3 $\frac{1}{2}$ " 0-6-0 TANK
5" "SPRINGBOCK" 4-6-0

5" "NETTA"
3 $\frac{1}{2}$ " BLACK 5
5" "FOWLER" 0-4-2
5" 4-4-2
3 $\frac{1}{2}$ " 0-4-2 (saddle tank)
3 $\frac{1}{2}$ " "PACIFIC"

3 $\frac{1}{2}$ " G.W.R.
3 $\frac{1}{2}$ " "BRITANNIA"

TUG Hot air engine
PADDLE BOAT Hot air engine
CHINAMAN ROWING BOAT
STEAM BARGE

South Australia

Whyalla

Neil Johns
Ron Draper

5" "BUTCH"
3½" Heilan Lassic

S.A.S.M.E.E.

Bob Brown
R. Skewes
J. Wakefield
M. Turner
M. Turner
H. Pearce
C. Burden
C. Burden
J. Wakefield
R. Smyth

2½" 400 CLASS S.A.R.
3½" "JUBILEE" TANK
5" "SPRINGBOCK"
5" "BRITANNIA"
5" 520 CLASS S.A.R.
3½" "FOWLER"
5" "CRAMPTON"
5" "STIRLING"
5" "CARIBOU"
5" "SIMPLEX"

Boats

N. Kernich
C. Manning
H. Crocker

3 hydroplanes STEAM CARGO LINER
Destroyer PASSENGER LINER
Steam Launch

Show of Work

E. Hunt
M. Dunkley
K. Bradford
R. Skewes
P. Griscti

Drill
2 STATIONARY ENGINES
5" 36 CLASS (N.S.W.)
5" F CLASS TANK
3" ALLCHIN TRACTION ENGINE

THE SOUTH AUSTRALIAN SOCIETY OF MODEL AND EXPERIMENTAL ENGINEERS
INCORPORATED

(S.A.S.M.E.E.)

Forty-Sixth Annual Report, 1973

Mr. President and Fellow Club Members. It is with pleasure that I present to you this the 46th Annual Report of the Society for the year June 1972 - May 1973.

I think that you will all agree that the most outstanding event of the year was the Live Steam Convention held here during the Easter period. Earlier in the year a Committee and Secretary was appointed and then followed months of planning to cater for our visitors who numbered well over 200. Apart from the weather, which could have been a bit kinder, the function moved along smoothly and we can congratulate ourselves upon a successful and pleasant Convention. At this point I must make mention of the ladies who assisted with the preparation of the meals. We are indebted to them for their assistance and their efforts played a major part in keeping every body happy.

Turning to matters of more prosaic nature several projects call for comment. The completion of the turntable and steam-up bay, which handled 58 engines during the Convention, complete with air, power and water. The erection of a shed adjacent to the steam bay, complete with hot shower and wash-up facilities for visitors' convenience. A steel stairway has been constructed to gain admittance to our Public Address Room and the entrance gate to the grounds has been increased in height thereby eliminating two gates which formerly had to be opened. The Club House has received a coat of paint and walling is making good progress along the cutting after leaving the tunnel.

ANNUAL REPORT (Cont.)

Work has also been done on the small track and good use has been made of it. Our electricians have been kept busy with necessary new wiring and switch board and installation of new signals and maintenance of existing ones. The purchase of two rain water tanks should ensure a plentiful supply of water for our locos. Other jobs, too numerous to mention have been carried out and we should be able to look forward to a fairly work free year ahead of us, excepting necessary maintenance.

Several new locos have made their appearance during the year with many others under construction.

Each year the appearance of the grounds seems to improve and this year is no exception. Among the attractions that SASMEE offers is the boat pond and its adherents and has hold its popularity with the public, like-wise the steam house with its fascinating display of old time working models.

The library with its numerous volumes has been well patronised by members and provides much useful information for reference etc. We have had several interstate visitors during the year. As is our custom, two special Field Days have been held to benefit Charitable Organisations and a worth while amount of money has been raised.

Several factory visits were made by members and at a number of monthly meetings we have had a speaker. As per usual our Christmas Barbecue was held after running had ceased.

ANNUAL REPORT (Cont.)

We wish to thank Mrs. Croker for her assistance with the Canteen and also John Wakefield for his use of his business equipment and carrying out of the many plumbing jobs performed during the year.

Last October several members visited Whyalla and were entertained by our Northern friends.

Interest in the Society continues to grow and here is a summary :

	1972	1973	Gained	Lost
Adults	88	101	13	
Country	8	12	4	
Junior	1	1		
Student	2	3	1	
Life	3	3		
Honorary	4	3		1

Total Membership is now 123. This increase is very pleasing and argues well for the Society's future.

The annual Jumble Sale was held as usual and provided an excellent evenings fun for all and also a useful sum was raised.

The Show of Work was fairly well attended and some very fine pieces of machinery were on show.

Your Committee has carried out its duties in a commendable manner and our thanks are due to them for their efforts. Also to all of those members who have regularly attended working parties. A special work of thanks to Paul Burton who so successfully carried out the duties of Convention Secretary.

To all those members , the boat boys, steam house attendants, gate attendants, coal crushers, station supervisors and loco drivers the Committee extends a big thank you for without your efforts no Field Day could be run.

To our retiring President our thanks are due for his untiring devotion to the responsible job of leading the Society.

Thank you, Paul
and also to our Treasurer, Len Peckham who has always co-operated with me in matters between Secretary and Treasurer.

Thanks Len.

All of the monthly meetings were well attended and held on due date as advised in the Bulletin.

Any articles of a nature appertaining to Modelling would be appreciated by the Secretary for inclusion in your Bulletin.

I trust that I have covered the years activities and apologise for any omissions to members involved and jobs completed. I wish to extend my best wishes to those members entering office tonight and feel sure that they will receive full support from all.

Finally I thank you for your confidence in me as your Secretary and sincerely feel that it has been a privilege to serve in the capacity.

C. Burden,
Honorary Secretary,
8th May, 1973.

PRESIDENT'S PAGES

A NOTE OF APPRECIATION

I would like to personally thank all the ladies who so willingly gave their time and effort to provide the catering services for the Easter Convention. The wet weather made their task more difficult. They had but little time for relaxation and I personally appreciate their efforts in their home kitchens as well as their efforts in the Club House Canteen. The range of duties from chef to waitress were cheerfully carried out in a most efficient manner, and no praise could be too great for their efforts. I sincerely hope that this thank you will be conveyed to these women by their menfolk. At the same time I would like to thank the male members who assisted in the canteen as from personal experience I can assure members that the canteen crew did not see much of the other activities of the Convention. The serving of from 200 to 250 meals at a time is a thankless job at the best of times, let alone to cold and wet people under the miserable conditions of the first two days.

Thank you all members who assisted at the Convention and to all those whose attendance at the "working bee" made the grounds and facilities capable of handling the Convention visitors.

A revised membership list is being printed and should soon be available from the Secretary.

As I have now assumed responsibility for the printing of the Bulletin I would like to thank Chas. Hill for the printing of the past Bulletin; and would ask members to be patient and tolerate any slight delay in the delivery of this Bulletin as it is no small task to get it done.

PRESIDENTS PAGES (Cont.)

I was pleased to see quite a good roll up to our play days since the Convention and enjoyed driving John Wakefield's new loco as well as driving John Welch's loco.

The grounds and facilities are for the use of members and I would like to see more members enjoying themselves on the track and pond.

One working day a month should keep the grounds properly maintained so let's all enjoy our facilities at S.A.S.M.E.E.

The Monday Adelaide Cup Holiday saw a good roll up of members and also partly completed Locomotives by Laurie Fielder and Colin Bamford as well as Dick Searle with $3\frac{1}{2}$ " G Firefly on small track.

The "Off Meeting" night was well attended and two visitors showed films of W.A. model activities including a model traction engine.

Paul Grisciti

METRIC CONVERSION OF STEEL SHEET

John Lysaght (Australia) Limited are adopting the metric (SI) system of units and will have completed the conversion by 1st January, 1974.

The following conversion is for steel sheet which includes the base thickness for all coated sheets produced by JLA. All dimensions will be in millimetres or decimals thereof in accordance with the standards referred to. It is important to note that guage systems and the term "guage" will be redundant on metrification and will not be used.

		THICKNESS - mm.										
First choice	-	.30	.40	.50	.60	.80	1.0	1.2	1.6	2.0	2.5	3.0
Second choice	-	.35	.45	.55	.70	.90	1.1	1.4	1.8	2.2	2.8	
Additional JLA Thickness	-	.32	.38	.42	.48	.65	.75	.85	.95	1.3	1.5	1.7
		1.9	3.2									

References to Existing Birmingham Guage

B.G.	M.M.	SI Equiv.
28	.396	.40
26	.498	.50
24	.627	.60
22	.792	.80
20	.996	1.00
18	1.254	1.20
16	1.588	1.60

Widths and lengths are available in first preference sizes in multiples of 100 m.m. It is anticipated that the standard stock size of 6'x3' as commonly in use today will become 1800mm x 900mm, the slight reduction in size enables this sheet to fit existing racks and machinery designed for the 6'x3" sheet.

STANDARD STOCK
METRIC ROUND BAR
AND ROD SIZES

DIAMETER		DIAMETER	
mm	(inches)	mm	(inches)
3	0.118	39	1.531
4	0.157	42	1.654
5	0.197	45	1.772
6	0.236	48	1.890
7	0.276	50	1.969
8	0.315	55	2.165
9	0.354	60	2.362
10	0.394	65	2.559
12	0.472	70	2.756
14	0.551	75	2.953
16	0.630	80	3.150
18	0.709	90	3.543
20	0.787	100	3.937
22	0.866	110	4.331
24	0.945	120	4.724
27	1.063	130	5.118
30	1.181	140	5.512
33	1.299	160	6.299
36	1.417		

PATRON

Commissioner S.A.R.

Mr. M.L. Stockley

VICE PATRONS

C.M.E. S.A.R.
S.A.R.
"Tregelana" Station
Late S.A.R.

Mr. W.D. Saunders
Mr. C. Schaumlöffel
Mr. G. Nicolson
Mr. A.W.C. Crossman

OFFICE BEARERS

President
Vice President
Secretary
Minute Secretary
Treasurer
Assistant Treasurer
General Committee

Librarians
Auditors
Public Officer
Host
Director of Field Days
Supervisors - Loco Track
- Boat Pond
Boiler Attendants
Boiler Safety Committee

Sub Committee - Programme
- Canteen

Mr. P. Gristi
Messrs. I. Clark, R. Smyth
Mr. C. Burden
Mr. D. Price
Mr. L. Peckham
Mr. J. Davey
Messrs J. Welch, D. Irving, W. Bradford
D. Allen
Messrs. G. Calvert, M. Gurnshaw
Messrs. J. Wakefield, D. Orsborn
Mr. M. Turner
Mr. H. Guignon
Mr. A. Frankham
Messrs B. Brown, D. Irving, L. Fielder
Mr. H. Kernick
Messrs. M. Gurnshaw, H. Guignon
Messrs. A. Brabham, M. Turner, J. Welch
J. Wakefield, H. Guignon, O. Thomas
Mr. A. Frankham
Mr. J. Moorfield